

What is claimed is:

Sub A1

1. A method of communicating information, said method comprising:
 1. comparing a current item list with a reference item list; and
 2. determining a type of classification based on said comparing.

1 2. The method of claim 1, wherein said comparing determines a difference
2 between said current item list and said reference item list.

1 3. The method of claim 2, further comprising sending information regarding
2 said difference from a first entity to a second entity.

1 4. The method of claim 3, further comprising encoding said information
2 regarding said difference prior to sending said information from said first entity to said
3 second entity.

1 5. The method of claim 4, wherein encoding said information comprises
2 encoding information regarding a position of a newly added item to said reference item
3 list.

1 6. The method of claim 4, wherein encoding said information comprises
2 encoding information regarding which item in said reference item list is not in said
3 current item list.

1 7. The method of claim 4, wherein encoding said information comprises
2 encoding information regarding content of at least one item in said reference item list.

1 8. The method of claim 4, wherein encoding said information comprises a
2 combination of at least two of the following: (a) encoding information regarding a
3 position of a newly added item to said reference item list; (b) encoding information
4 regarding which item in said reference item list is not in said current item list; and (c)
5 encoding information regarding content of at least one item in said reference item list.

1 9. The method of claim 1, further comprising sending a compressed list from a
2 first entity to a second entity.

1 10. The method of claim 9, wherein said compressed list includes information
2 regarding a difference between said current item list and said reference item list.

1 11. The method of claim 10, wherein said difference is encoded within said
2 compressed list based on said determined type of classification.

1 12. The method of claim 11, wherein said information further comprises a type
2 of encoding.

1 13. The method of claim 12, wherein said type comprises one of: an insertion
2 encoding scheme, a removal encoding scheme and a content change encoding scheme.

1 14. The method of claim 1, further comprising sending information regarding a
2 difference between an item in said current item list and a corresponding item in said
3 reference item list.

1 15. The method of claim 1, wherein said type of classification is based on at
2 least one of: whether an item in said reference item list is in said current item list,
3 whether said item is in said reference item list and whether contents of said item in
4 said current item list are the same as contents of said item in said reference item list.

1 16. The method of claim 1, further comprising decompressing information sent
2 from a first entity to a second entity.

1 17. The method of claim 1, further comprising sending said reference item list
2 from a first entity to a second entity.

1 18. The method of claim 17, further comprising decompressing information
2 sent from said first entity to said second entity using said previously sent reference item
3 list as a reference.

1 19. A method of communicating comprising:
2 classifying at least one item of a list;
3 forming a compressed list including said at least one item; and
4 transmitting said compressed list.

1 20. The method of claim 19, wherein said at least one item is classified by:
2 comparing a current item list with a reference item list, and determining a type of
3 classification based on said comparing.

1 21. The method of claim 20, wherein said comparing determines a difference
2 between said current item list and said reference item list.

1 22. The method of claim 21, further comprising transmitting information
2 regarding said difference from a first entity to a second entity.

1 23. The method of claim 22, further comprising encoding said information
2 regarding said difference within said compressed list.

1 24. The method of claim 19, wherein said compressed list includes information
2 regarding a difference between a current item list and a reference item list.

1 25. The method of claim 24, further comprising encoding said information
2 regarding said difference within said compressed list based on said classifying.

1 26. The method of claim 25, wherein encoding said information comprises
2 encoding information regarding a position of a newly added item to said reference item
3 list.

1 27. The method of claim 25, wherein encoding said information comprises
2 encoding information regarding which item in said reference item list is not in said
3 current item list.

1 28. The method of claim 25, wherein encoding said information comprises
2 information regarding content of at least one item in said reference item list.

1 29. The method of claim 25, wherein said information comprises a type of
2 encoding.

1 30. The method of claim 20, further comprising sending said reference item
2 list from a first entity to a second entity.

1 31. The method of claim 30, further comprising decompressing information
2 transmitted from said first entity to a second entity using said previously sent
3 reference item list as a reference.

1 32. A device to communicate compressed information, said device
2 comprising a processor device to compare a current item list with a reference item
3 list and to determine a type of classification based on said comparing.

1 33. The device of claim 32, wherein said processor device determines a
2 difference between said current item list and said reference item list.

1 34. The device of claim 33, further comprising a transmitting device to
2 transmit information regarding said difference from said device to another entity.

1 35. The device of claim 34, further comprising an encoding device to
2 encode said information regarding said difference prior to transmitting said
3 information from said device to said another entity.

1 36. The device of claim 32, further comprising a transmitting device to
2 transmit a compressed list from said device to another entity.

1 37. The device of claim 36, wherein said compressed list includes
2 information regarding a difference between said current item list and said reference
3 item list.

1 38. The device of claim 37, further comprising an encoding device to
2 encode said difference within said compressed list based on said determined type of
3 classification.

1 39. The device of claim 30, wherein said processor device determines a
2 difference between an item in said current item list and a corresponding item in said
3 reference item list, and said device further comprises a transmitting device to
4 transmit information regarding said difference from said device to another entity.

1 40. A device to communicate information, said device comprising:
2 a processor device to classify at least one item of a list and to form a
3 compressed list including said at least one item; and
4 a transmitting device to transmit said compressed list.

1 41. The device of claim 40, wherein said processor device classifies said at
2 least one item by: comparing a current item list with a reference item list, and
3 determining a type of classification based on said comparing.

1 42. The device of claim 41, wherein said processor device determines a
2 difference between said current item list and said reference item list.

1 43. The device of claim 42, wherein said transmitting device transmits
2 information regarding said difference between said current item list and said
3 reference item list from said device to another entity.

1 44. The device of claim 43, further comprising an encoding device to
2 encode said information regarding said difference within said compressed list.

1 45. The device of claim 44, wherein said encoding device encodes
2 information regarding a position of a newly added item to said reference item list.

1 46. The device of claim 44, wherein said encoding device encodes
2 information regarding which item in said reference item list is not in said current
3 item list.

1 47. The device of claim 44, wherein said encoding device encodes
2 information regarding content of at least one item in said reference item list.

1 48. The device of claim 44, wherein said encoding device performs a
2 combination of at least two of the following: (a) encoding information regarding a

3 position of a newly added item to said reference item list; (b) encoding information
4 regarding which item in said reference item list is not in said current item list; and (c)
5 encoding information regarding content of at least one item in said reference item
6 list.

1 49. The device of claim 41, wherein said compressed list includes
2 information regarding a difference between a current item list and a reference item
3 list.

1 50. The device of claim 41, wherein said difference is encoded within said
2 compressed list based on said classifying.